

**CITY OF LINCOLN
COUNTY OF LANCASTER**

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QUOTATION REQUEST

Quote Prices F.O.B. Destination
Lincoln, Nebraska

Date - 2/26/04
Order No. - 1491 OC
Date Due - 03/15/04

**QUOTATIONS MUST BE RECEIVED IN
THE PURCHASING DIVISION OFFICE BY
THE DUE DATE SPECIFIED ABOVE**

PLEASE MAKE NECESSARY VENDOR
INFORMATION CORRECTIONS ON THIS FORM:

VENDOR INFORMATION

Return Quotation Request To:

Purchasing Division
K-Street Complex
440 S 8th St Ste 200
Lincoln NE 68508

Item Number /	Description	Quantity	UM	Unit Price	Total Price
07547000000	Mechanic's Equipment and Tools (Not Otherwise Classified) Passenger car and light truck diagnostic tester & charger, as per attached specifications Snap-on or County Approved alternate. Indicate Brand make and model - include literature on all systems offered. For use by Lancaster Co. Engineer.	1	EA		

Fund: 022 Agcy: 703 Obj: 4218

VENDOR MUST COMPLETE THE FOLLOWING

The undersigned represents and warrants that he/she has full and complete authority to submit this quotation and to enter into a contract upon acceptance by the City/County. The undersigned agrees to comply with all conditions above and on reverse side of this document.

COMPANY NAME _____

BY (PRINT NAME) _____

ADDRESS _____

SIGNATURE _____

TELEPHONE _____

TITLE _____

EMPLOYER FEDERAL ID NO. OR

DATE _____

SOCIAL SECURITY NUMBER _____

DELIVERY SCHEDULE _____

DAYS ARO

DIAGNOSTIC TESTER AND CHARGER

BID SPECIFICATIONS

Lancaster County would like to purchase one (1) tester/charger with the following specifications:

APPLICATION

Passenger car and light truck 12 volt starting and charging systems

Test 12 volt batteries up to 1500 CCA

Test 12 volt systems up to 400 amp capacity

CAPABILITIES

<u>System Test</u>	Battery, alternator and starting systems tested in sequence
<u>Battery Condition</u>	Good/bad determination (Battery measurements: initial volts, impedance, available amps % rated capacity)
<u>Starter Condition</u>	Cranking voltage normal/abnormal (starter measurement: cranking voltage-initial average, minimum)
<u>Alternator condition</u>	Pass/fail through wave form analysis under loaded conditions (Alternator measurements: idle results-voltage ripple, current; high RPM results-voltage, ripple, current)
<u>Individual tests:</u>	Battery, starter, and alternator test, selected individually
<u>Battery test:</u>	Determines battery state of charge and overall condition (good/bad through pre-set load and impedance tests. Tests discharged battery down to 1 volt
<u>Starter tests</u>	Normal test to obtain voltage draw readings. Extended test to obtain voltage and current draw, readings. (Requires high amps probe to obtain current readings)
<u>Alternator tests</u>	Test alternators at idle and at high 2000 RPM under loaded conditions

TROUBLESHOOTING MENU

<u>Digital Multimeter</u>	Acquires voltage and current readings in the selected circuit (requires high amp probe to obtain current readings) (DMM measurement: DC volts DC amps, AC ripple)
<u>Amp Probe</u>	Acquires current and ripple amps ins the selected circuit (requires high amp probe to obtain current readings) (Probe measurements: DC amps, ripple amps, min/max)
<u>Manual Load</u>	Places a 160 A nominal load on the battery for a specific amount of time selectable load time up to 45 seconds (Display real time battery amps and volts)
<u>Impedence meter</u>	Check battery impedance and capacity (displays real time battery resistance and capacity values)

CHARGING MENU

<u>Automatic charging</u>	Charges the battery automatically to an optimal target voltage, determined by battery size and precharge analysis. (Displays real time charge level, battery voltage and charging amps)
<u>Manual charging</u>	Charges the battery to an operator-selected target voltage (displays voltage target, battery voltage and charging amps)
<u>Trickle charging</u>	Maintains battery charge (displays charge time, battery voltage and charging amps)
<u>Crank assist charging</u>	Prompted sequences for starting stalled vehicles, provides up to 300 amp assist

RESULTS MENU

<u>Print/View results</u>	View results on LCD display and/or print on thermal printer individual test results
<u>Save Memory</u>	Save up to two sets of individual or system tests to memory
<u>Recall Memory</u>	Recall up to two sets of test results stored in memory

SET UP/OPTIONS MENU

<u>Change battery units</u>	Select CCA, CA, EN, or DIN Standards for battery test
<u>Set time/date</u>	Time/date of system test appears of printout

CABINET/CONTROLS/DISPLAYS/LEDs

Alpha Numeric Displays 240x64 graphical LCD display. Back lit LCD displays menus, prompts, results, and status messages

Controls Thumbwheel scrolling (up/down) for selection of menu items and text values: yes/no button (menu selections)

Lead Set Load and sensing leads. Heavy duty 8 ft. 4 AWG power cables with insulated heavy duty 500 amp battery clamps

Construction Housed in rugged metal housing with ABS plastic control panel. Non-slip rubber base

Printer Internal printer prints out system test results: 2" paper roll feed

PERFORMANCE SPECIFICATIONS

Voltmeter (Automatic test mode range 0-50 volts DC
Accuracy: +/- 1% of reading +/- 1 digit

Ammeter: range 0-15 Amps; 1-1500 amps accuracy +/- 2% of reading +/- 1 digit

DMM mode Range 0-+/- 29.99 volts accuracy, +/- 1% of readings +/- 1 digit

Battery & Alternator load value fan cooled 160 amp @ 11 volts nominal load

Continuous rating Input: 120 VAC 14.8 A 60 HZ 1 PH
Output 12VDC60A

Crank assist Input 120 VAC 53A, 60 HZ 1 PH
Output 300 amps

Crank duty cycle 3.5 SEC on ; on/off - 1/70

Battery Charger amps 525 amp boost rating
300 amp UL - rated crank assist
60 amp UL rated continuous charge

Power 120 VAC, 60 HZ

Tester/Charger to be Snap/on Model EECS306 KRPR D-TAC unit w/cart and printer and 2-6342-1 high amp probe or approved tester that meets these specifications.

**PURCHASING DIVISION
CITY OF LINCOLN AND LANCASTER COUNTY, NEBRASKA
INSTRUCTIONS TO BIDDERS**

1. **BIDDING PROCEDURE** - A bid by a corporation must be signed in the name of such organization by a duly authorized official thereof. Any person signing a bid for a firm, corporation, or other organization must show evidence of his authority so to bind such firm, corporation, or organization. Most departments of the City of Lincoln and Lancaster County agencies are exempt from federal excise taxes and state and local sales and use taxes. Kindly bid without taxes. The City/County will be responsible for paying any taxes which may be due.
2. **FAIR EMPLOYMENT PRACTICES** - Each bidder agrees that he/she will not discriminate against any employee or applicant for employment because of age, race, color, religion, ancestry, national origin, disability, sex or marital status, and that he will take affirmative action to assure that applicants are employed and that employees are treated during employment without regard to age, race, color religion, ancestry, national origin, disability, sex or marital status.
3. **DATA PRIVACY** - Bidder agrees to abide by all applicable State and Federal laws and regulations concerning the handling and disclosure of private and confidential information concerning individuals and corporations as to inventions, patents and patent rights. The bidder agrees to hold the City/County harmless from any claims resulting from the bidder's unlawful disclosure or use of private or confidential information.
4. **INDEPENDENT PRICE DETERMINATION** - By signing and submitting this bid, the bidder certifies that: The prices in this bid have been arrived at independently, without consultation, communication or agreement, for the purpose of restricting competition, as to any matter relating to such prices with any other bidder or with any competitor.
5. **CLARIFICATION OF SPECIFICATION DOCUMENTS** - Bidders shall promptly notify the Purchasing Agent of any ambiguity, inconsistency or error which they may discover upon examination of the specification documents. Interpretations, corrections and changes made to the specification documents will be made by written addenda. Oral interpretations or changes to the Specification Documents made in any other manner, will not be binding on the City/County; and bidders shall not rely upon such interpretations or changes. No addendum will be issued later than forty-eight (48) hours prior to the date and time for receipt of bids, except: An addendum withdrawing or postponing the invitation to bid.
6. **BRAND NAMES** - If and wherever in the material specifications or proposal form brand names, make, manufacturer, trade name, or vendor catalog number is specified, it is for the purpose of establishing a grade or quality of material only; and the term "or equal" is deemed to follow. It is the bidder's responsibility to identify any alternate items offered in the bid, and prove to the City/County that said item is equal to or better than the product specified. If variations are not stated in the proposal, it will be assumed that the item being bid fully complies with the City/County's specifications.
7. **DEMONSTRATION/SAMPLES** - If requested, the bidders shall, at bidder's expense, demonstrate and/or furnish samples of the exact item(s) proposed within seven (7) calendar days from receipt of such request from the City/County.
8. **DELIVERY** - Each bidder shall state on his proposal form the date upon which he can make delivery of all equipment or merchandise. F.O.B. to the City/County at the location specified by the City/County, with all transportation charges paid.
9. **WARRANTIES, GUARANTEES AND MAINTENANCE** - A copy of the manufacturer's warranties and/or guarantees for the items being bid must accompany your proposal. A copy of your company's maintenance policies and costs must also accompany your proposal. Replacement parts of defective components shall be shipped to the City/County at no cost. If defective parts are required to be returned to the bidder, the shipping costs shall be borne by the bidder.
10. **ACCEPTANCE OF MATERIAL** - The finished materials must be new, the latest make or model, of the best quality, unless otherwise specified, and the highest grade workmanship. The material delivered under this proposal shall remain the property of the bidder until a physical inspection and actual usage of this material and/or service is made, and thereafter is accepted by the City/County. The material delivered must be fully in accord with specification documents. In the event the material and/or services supplied to the City/County is found to be defective or does not conform to specification documents, the City/County reserve the right to cancel the order upon written notice to the bidder and return materials to bidder at the bidder's expense. Successful bidder shall be required to furnish title to the material, free and clear of all liens and encumbrances, issued in the name of the City of Lincoln or Lancaster County, Nebraska, as required by the contract documents or purchase orders. Selling dealer's advertising decals, stickers or other signs shall not be affixed to the equipment; vehicle mud flaps shall be installed blank side out with no advertisements. Manufacturer's standard production forings, stampings, nameplates and logos are acceptable.
11. **BID EVALUATION AND AWARD** - The signed bid shall be considered an offer on the part of the bidder. Such offer shall be deemed accepted upon issuance by the City/County of purchase orders, contract award notifications, or other contract documents appropriate to the work. No bid shall be modified or withdrawn for a period of sixty (60) calendar days after the time and date established for receiving bids, and each bidder so agrees in submitting the bid. In case of a discrepancy between the unit prices and their extensions, the unit price shall govern. The City/County reserve the right to accept or reject any or all bids, or part of bids, to waive irregularities and technicalities, and to request rebids on the material described in the specification documents.
12. **TERMS OF PAYMENT** - Unless other specification provisions state otherwise, payment in full will be made by the City/County within thirty (30) calendar days after all labor has been performed and all equipment or other merchandise has been delivered, and all such labor and equipment and other materials have met all contract specifications.
13. **LAWS** - The Laws of the State of Nebraska shall govern the rights, obligations, and remedies of the Parties under this proposal and any agreement reached as a result of this process.